

Applicant: Francois GIORDANO
Att'y Dkt. No. 31577-179854

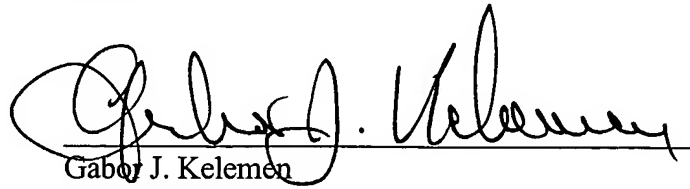
REMARKS

The present Supplemental Preliminary Amendment is being filed to correct errors or make insertions in the specification and, for conformity, the claims, as well.

Examination of the application on its merits is respectfully requested.

Respectfully submitted,

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ATTACHMENT A -- CHANGES MADE TO THE SPECIFICATION

This attachment shows how certain paragraphs in the specification that were rewritten in this Preliminary Amendment differ from the previous version of these paragraphs, with underlining being used to identify added language, and brackets being used to identify deleted language.

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According to this invention there is provided a safety arrangement for a motor vehicle, the safety arrangement for a motor vehicle, the safety arrangement comprising sensor means in the form of at least one sensor adapted to sense a parameter indicative of an accident situation, and a control system controlling a triggering circuit, the control system incorporating at least one processor connected to the sensor means and to the triggering circuit, the processor having [and] an input pin for activating a non-maskable interrupt (NMI) routine, the triggering circuit being adapted to actuate or deploy a safety device in response to a predetermined command generated by the processor in response to a predetermined output from the sensor means, said command generated by the processor creating an input to the said input pin of the processor to start said NMI routine, said NMI routine serving to determine whether there are hardware and/or software faults that may invalidate the command, and to interrupt actuation or deployment of the safety device if any such fault is detected.

Preferably, there are two separate connections between the [micro-]processor and the means to deploy the safety device, the safety device only being actuated or deployed if appropriate signals are provided on both said connections.

In one embodiment the[micro-]processor is adapted to form a safeing algorithm to generate a signal indicating the possibility of an accident, and has means to perform a crash algorithm adapted to provide a signal indicating that an accident has occurred.

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Preferably both the low level and the high level connections are controlled by the crash algorithm, a terminal command on the high level connection being sent only after the said [diagnostic] non-maskable interrupt routine has been completed.

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ATTACHMENT B -- CHANGES IN THE REWRITTEN CLAIMS

This attachment shows how claims that are being rewritten in this Preliminary Amendment differ from the previous version of these claims, with underlining being used to identify added language, and brackets being used to identify deleted language.

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1. (Amended) A safety arrangement for a motor vehicle, the safety arrangement comprising sensor means in the form of at least one sensor adapted to sense a parameter indicative of an accident situation, and a control system controlling a triggering circuit, the control system incorporating at least one processor connected to the sensor means and to the triggering circuit, the processor having [and] an input pin for activating a non-maskable interrupt (NMI) routine, the triggering circuit being adapted to actuate or deploy a safety device in response to a predetermined command generated by the processor in response to a predetermined output from the sensor means, said command generated by the processor creating an input to the said input pin of the processor to start said NMI routine, said NMI routine serving to determine whether there are hardware and/or software faults that may invalidate the command, and to interrupt actuation or deployment of the safety device if any such fault is detected.

4. (Twice Amended) An arrangement according to Claim 1, wherein there are two separate connections between the [micro-]processor and the triggering circuit so that a safety device will only be actuated or deployed if appropriate signals are provided on both said connections.

8. (Twice Amended) An arrangement according to Claim 1, wherein the [micro-]processor is adapted to [form] perform a safeing algorithm to generate a signal indicating the possibility of an accident, and has means to perform a crash algorithm adapted to provide a signal indicating that an accident has occurred.

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9. (Twice Amended) An arrangement according to Claim 12, wherein both the low level and the high level connections are controlled by the crash algorithm, a terminal command on the high level connection being sent only after the said [diagnostic] non-maskable Interrupt routine has been completed.